



Institute of Engineering & Technology, Lucknow, Sitapur Road, Lucknow,
Uttar Pradesh - 226021

INVITATION LETTER

IET/TEQIP-III/2019/228-C

Package Code: TEQIP-III/2019/UP/ietl/239

Current Date: 05-Jul-2019

Package Name: IET-TEQIP-ME-LAB-3

Method: Shopping Goods

Sub: INVITATION LETTER FOR IET-TEQIP-ME-LAB-3

Dear Sir,

1. You are invited to submit your most competitive quotation for the following goods with item wise detailed specifications given at Annexure I,

Sr. No	Item Name	Quantity	Place of Delivery	Installation Requirement (if any)
1	GEAR PUMP TEST RIG	1	Institute of Engineering and Technology, Lucknow	
2	JET PUMP TEST RIG	1	Institute of Engineering and Technology, Lucknow	
3	PUPM IN SERIES AND PARALLEL	1	Institute of Engineering and Technology, Lucknow	
4	WIND TUNNEL APPARATUS	1	Institute of Engineering and Technology, Lucknow	

2. Government of India has received a credit from the International Development Association (IDA) towards the cost of the **Technical Education Quality Improvement Programme [TEQIP]-Phase III** Project and intends to apply part of the proceeds of this credit to eligible payments under the contract for which this invitation for quotations is issued.

3. **Quotation**

- 3.1 The contract shall be for the full quantity as described above.
- 3.2 Corrections, if any, shall be made by crossing out, initialling, dating and re writing.
- 3.3 All duties and other levies payable by the supplier under the contract shall be included in the unit Price.
- 3.4 Applicable taxes shall be quoted separately for all items.
- 3.5 The prices quoted by the bidder shall be fixed for the duration of the contract and

shall not be subject to adjustment on any account.

3.6 The Prices should be quoted in Indian Rupees only.

4. Each bidder shall submit only one quotation.

5. Quotation shall remain valid for a period not less than 60 days after the last date of quotation submission.

6. Evaluation of Quotations: The Purchaser will evaluate and compare the quotations determined to be Substantially responsive i.e. which

6.1 are properly signed; and

6.2 Confirm to the terms and conditions, and specifications.

7. The Quotations would be evaluated for all items together.

8. Award of contract The Purchaser will award the contract to the bidder whose quotation has been determined to be substantially responsive and who has offered the lowest evaluated quotation price.

8.1 Notwithstanding the above, the Purchaser reserves the right to accept or reject any quotations and to cancel the bidding process and reject all quotations at any time prior to the award of Contract.

8.2 The bidder whose bid is accepted will be notified of the award of contract by the Purchaser prior to expiration of the quotation validity period. The terms of the accepted offer shall be Incorporated in the purchase order.

9. Payment shall be made in Indian Rupees as follows:

Satisfactory Delivery & Installation and Acceptance - 100% of total cost

10. Liquidated Damages will be applied as per the below:

Liquidated Damages Per Day Min % : 0.50

Liquidated Damages Max % : 10

11. All supplied items are under warranty of 36 months from the date of successful acceptance of items and AMC/Others is .

12. You are requested to provide your offer latest by 14:30 hours on 22-Jul-2019.

13. Detailed specifications of the items are at Annexure I.

14. Training Clause (if any) YES

15. Testing/Installation Clause (if any) YES

16. Performance Security shall be applicable: 5%

17. Information brochures/ Product catalogue, if any must be accompanied with the quotation clearly indicating the model quoted for.
18. Sealed quotation to be submitted/ delivered at the address mentioned below, Institute of Engineering & Technology, Lucknow, Sitapur Road, Lucknow, Uttar Pradesh - 226021
19. We look forward to receiving your quotation and thank you for your interest in this project.



(Authorized Signatory)

Name & Designation

COORDINATOR

TEQIP PHASE-III

**Institute of Engineering &
Technology, Lucknow-21**

Annexure I

Sr. No	Item Name	Specifications
1	GEAR PUMP TEST RIG	<ul style="list-style-type: none"> ➤ Gear pump = discharge 10 LPM capacity. ➤ Motor 1 H.P., 2800 rpm is suitable for pump test at different discharge against different heads. ➤ S.S. reservoir with gauge glass & scale fitting, drain valve of ½" size & a bend. ➤ S.S. collecting as well as measuring tank with drain valve of 2" size. A gauge glass & scale fitting are fitted on measuring tank for discharge measurement. ➤ Globe Valve is provided to control discharge. ➤ Pressure gauge and Vacuum Gauge are mounted on delivery line and Suction line respectively for measurement of delivery head and suction head. ➤ Control Panel consists of Energy meter & starter, rpm indicator. ➤ Strong iron stands to support the unit. ➤ Entire unit is powder coated with good color combination.
2	JET PUMP TEST RIG	<ul style="list-style-type: none"> ➤ JET pump - 25 x 25 mm. size, base mounted, Max. Head 11 mtr., Max. Discharge 2.1 Ips. at 2800 rpm. ➤ Motor: - A.C., 1 H.P. ➤ Measuring tank – 300 X 400 X 500 mm height provided with gauge tube (SS 304) ➤ Sump tank – 1000 X 500 X 400 mm height. (S.S.304) ➤ Digital rpm indicator with proxy ➤ Pressure gauge 0-4.2 Kg/cm² for discharge pressure, Vacuum gauge 0 - 760 mm Hg for suction vacuum, Energy meter for motor input measurement. ➤ The whole set-up is well designed and arranged in a good quality painted structure. ➤ Service required: Electrical Supply 1 Phase, 230 V, 50 Hz AC Supply
3	PUPM IN SERIES AND PARALLEL	<ul style="list-style-type: none"> ➤ Pumps: 1/2 HP, centrifugal mono block pump, 20 to 30 LPM discharge at 10m. Head, 2 nos. ➤ Measuring tank: 300 X 400 X 300 mm height provided with gauge tube (SS 304) ➤ Sump tank: 600 X 400 X 500 mm height. ➤ Energy meter: To measure electrical input. ➤ Pressure and vacuum gauges: one each for each pump. ➤ Necessary piping and valves for series and parallel operation of the pumps. ➤ The whole set-up is well designed and arranged in a good quality painted structure. ➤ Service required: Electrical Supply 1 Phase, 230 V, 50 Hz AC Supply.

WIND TUNNEL APPARATUS

- Dimension: Test Section: 300 mm. x 300 mm x 1000 mm. long.(approx.) Entrance Cone: 900 mm. square with a 12:1 contraction ratio. Overall Length: 5 m. (approx.)
- Weight: 250 kg. (approx.)
- Volume: 10 m³ (approx.)
- Air Velocity: variable up to 20 m/s
- Materials of Construction: Frame and Support: Mild steel with 4 wheels and 4 locking wheels. Inlet Cone: Metal sheet. Air diffuser is provided. Tail Pipe: Metal sheet, smooth inner surface.
- Blower: Axial type, high speed, 5 HP motor, equipped with fan guard.
- Two Component Balances: Load cells for lift force up to 2 kg and drag force up to 2 kg.
- Water Column Manometer: 16 Columns inclined manometer + 240 mm. Zero point can be set by positioning of the water supply tank. Sensitivity of the measuring range can be adjusted by varying the inclination of manometer panel between 0-45 degree
- Air Velocity Measurement: Digital anemometer 0-25 m/s
- Power supply 440 v, 3 phase
- Model supplied:
 - For pressure profile
- Aerofoil shape (200*200 mm with 14 tapping)
- Cylinder shape (75 mm dia, 200 mm long with 14 tapping)
 - For lift and drag
- Aerofoil model
- Cylinder model
- Sphere model
 - For air velocity measurement
- Anemometer (0-25 m/s)
- Pitot tube (L type)

FORMAT FOR QUOTATION SUBMISSION
(In letterhead of the supplier with seal)

Date: _____

To: _____

Sl. No.	Description of goods \ (with full Specifications)	Qty.	Unit	Quoted Unit rate in Rs. (Including Ex-Factory price, excise duty, packing and forwarding, transportation, insurance, other local costs incidental to delivery and warranty/ guaranty commitments)	Total Price (A)	Sales tax and other taxes payable	
						In %	In figures (B)
Total Cost							

We agree to supply the above goods in accordance with the technical specifications for a total contract price of Rs. _____ (Amount in figures)
(Rupees _____ amount in words) within the period specified in the Invitation for Quotations.

We confirm that the normal commercial warranty/ guarantee of _____ months shall apply to the offered items and we also confirm to agree with terms and conditions as mentioned in the Invitation Letter.

We hereby certify that we have taken steps to ensure that no person acting for us or on our behalf will engage in bribery.

Signature of Supplier _____

Name: _____

Address: _____

Contact No. _____